

## WEST Search History





DATE: Tuesday, January 20, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L29	l25 not L28	24
<input type="checkbox"/>	L28	l25 and (mass adj spectromet\$3)	1
<input type="checkbox"/>	L27	l25 and (acid-labile)	0
<input type="checkbox"/>	L26	L25 and isotop\$6	1
<input type="checkbox"/>	L25	L24 and l15	25
<input type="checkbox"/>	L24	L23 and cysteine	180
<input type="checkbox"/>	L23	l13 and (thiol\$1 or sulfhydryl)	1432
<input type="checkbox"/>	L22	l20 and (mass adj spectromet\$3)	1
<input type="checkbox"/>	L21	L20 and isotop\$6	1
<input type="checkbox"/>	L20	l13 and acid-labile	33
<input type="checkbox"/>	L19	L18 not l4	3
<input type="checkbox"/>	L18	l13 and (isotope-coded)	3
<input type="checkbox"/>	L17	L16 not l4	2
<input type="checkbox"/>	L16	L15 and l14	2
<input type="checkbox"/>	L15	polymer\$1 or polystyrene or (polyethylene adj glycol)	1137492
<input type="checkbox"/>	L14	L13 and alice	29
<input type="checkbox"/>	L13	protein\$1 or peptide\$1	188288
<input type="checkbox"/>	L12	L11 not l4	0
<input type="checkbox"/>	L11	L10 and (mass adj spectromet\$3)	2
<input type="checkbox"/>	L10	L9 and protein\$1	10
<input type="checkbox"/>	L9	hewick-r-\$.in.	12
<input type="checkbox"/>	L8	L7 not l4	0
<input type="checkbox"/>	L7	L6 and (mass adj spectromet\$3)	2
<input type="checkbox"/>	L6	L5 and protein\$1	29
<input type="checkbox"/>	L5	wang-j-\$.in.	631
<input type="checkbox"/>	L4	L3 and (mass adj spectromet\$3)	2
<input type="checkbox"/>	L3	L2 and protein\$1	59
<input type="checkbox"/>	L2	qiu-\$.in.	1772
<input type="checkbox"/>	L1	qiu-y-\$.in.	0

END OF SEARCH HISTORY

L Number	Hits	Search Text	DB	Time stamp
1	2	qiu-yongchang-.in.	USPAT; US-PGPUB	2004/01/20 11:51
2	3	wang-jack-h-.in.	USPAT; US-PGPUB	2004/01/20 11:51
3	0	qiu-yongchang-.in. not wang-jack-h-.in.	USPAT; US-PGPUB	2004/01/20 11:51
4	1	wang-jack-h-.in. not qiu-yongchang-.in.	USPAT; US-PGPUB	2004/01/20 11:51
5	11	hewick-rodney-m-.in.	USPAT; US-PGPUB	2004/01/20 11:51
6	8	hewick-rodney-m-.in. not wang-jack-h-.in.	USPAT; US-PGPUB	2004/01/20 11:55
7	209586	protein\$1 or peptide\$1	USPAT; US-PGPUB	2004/01/20 11:55
8	604632	polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG	USPAT; US-PGPUB	2004/01/20 11:55
9	7	(protein\$1 or peptide\$1) same alice	USPAT; US-PGPUB	2004/01/20 11:57
10	32	(protein\$1 or peptide\$1) same (isotope-coded)	USPAT; US-PGPUB	2004/01/20 11:57
11	1	((protein\$1 or peptide\$1) same (isotope-coded)) same (acid-labile)	USPAT; US-PGPUB	2004/01/20 11:58
12	1	((protein\$1 or peptide\$1) same (isotope-coded)) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)	USPAT; US-PGPUB	2004/01/20 11:58
13	0	((protein\$1 or peptide\$1) same (isotope-coded)) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)) not (((protein\$1 or peptide\$1) same (isotope-coded)) same (acid-labile))	USPAT; US-PGPUB	2004/01/20 11:58
14	13699	(protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)	USPAT; US-PGPUB	2004/01/20 11:58
15	3667	((protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)) same cysteine	USPAT; US-PGPUB	2004/01/20 12:00
16	379	((protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)) same cysteine) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)	USPAT; US-PGPUB	2004/01/20 12:00
17	1	((protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)) same cysteine) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)) same isotop\$6	USPAT; US-PGPUB	2004/01/20 12:01
18	40	((protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)) same cysteine) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)) same linker\$1	USPAT; US-PGPUB	2004/01/20 12:16
19	49	((protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)) same cysteine) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)) same (maleimide or haloacetyl or maleimidyl)	USPAT; US-PGPUB	2004/01/20 12:17
20	41	((protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)) same cysteine) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)) same (maleimide or haloacetyl or maleimidyl)) not (((protein\$1 or peptide\$1) same (thiol\$1 or sulfhydryl)) same cysteine) same (polymer\$1 or polystyrene or (polyethylene adj glycol) or PEG)) same linker\$1	USPAT; US-PGPUB	2004/01/20 12:48
21	1	4847325.pn.	USPAT; US-PGPUB	2004/01/20 12:49
22	1	4847325.pn. and (maleimido or haloacetyl)	USPAT; US-PGPUB	2004/01/20 12:49

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(FILE 'HOME' ENTERED AT 10:03:06 ON 20 JAN 2004)

FILE 'CAPLUS, CAOLD, MEDLINE, BIOSIS' ENTERED AT 10:03:21 ON 20 JAN 2004

E QIU YONGCHANG/AU  
L1 21 S E3  
L2 14 DUP REMOV L1 (7 DUPLICATES REMOVED)  
E WANG JACK H/AU  
L3 297 S E2-E4  
L4 34 S L3 AND PROTEIN?  
L5 13 S L4 AND MASS SPECTRO?  
L6 7 DUP REMOV L5 (6 DUPLICATES REMOVED)  
L7 2 S L6 NOT L2  
E HEWICK RODNEY M/AU  
L8 61 S E1-E3  
L9 53 S L8 AND PROTEIN?  
L10 10 S L9 AND MASS SPECTRO?  
L11 5 DUP REMOV L10 (5 DUPLICATES REMOVED)  
L12 0 S L11 NOT L2  
L13 5672681 S PROTEIN? OR PEPTIDE?  
L14 35 S L13 AND ALICE  
L15 9 S L14 AND POLYMER?  
L16 6 DUP REMOV L15 (3 DUPLICATES REMOVED)  
L17 191 S L13 AND ISOTOPE-CODED  
L18 3 S L17 AND ACID-LABILE  
L19 2 DUP REMOV L18 (1 DUPLICATE REMOVED)  
L20 9 S L17 AND POLYMER?  
L21 6 DUP REMOV L20 (3 DUPLICATES REMOVED)  
L22 63298 S L13 AND (THIOL? OR SULFHYDRYL)  
L23 15944 S L22 AND CYSTEINE  
L24 686 S L23 AND POLYMER?  
L25 7 S L24 AND ISOTOP?  
L26 6 DUP REMOV L25 (1 DUPLICATE REMOVED)  
L27 105 S L23 AND (POLYSTYRENE OR POLYETHYLENE GLYCOL)  
L28 1 S L27 AND ISOTOP?  
L29 3058 S L13 AND ACID-LABILE  
L30 29 S L29 AND ISOTOP?  
L31 4 S L30 AND MASS SPECTRO?  
L32 3 DUP REMOV L31 (1 DUPLICATE REMOVED)

d his

(FILE 'HOME' ENTERED AT 11:04:55 ON 20 JAN 2004)

FILE 'CAPLUS, CAOLD, MEDLINE, BIOSIS' ENTERED AT 11:05:14 ON 20 JAN 2004

L1 5672681 S PROTEIN? OR PEPTIDE?  
L2 63298 S L1 AND (THIOL? OR SULFHYDRYL)  
L3 15944 S L2 AND CYSTEINE  
L4 752 S L3 AND (POLYMER? OR POLYSTYRENE OR POLYETHYLENE GLYCOL)  
L5 34 S L4 AND (HALOACETYL OR MALEIMIDE)  
L6 26 DUP REMOV L5 (8 DUPLICATES REMOVED)

=>

L35 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3  
AN 1998:520507 CAPLUS  
DN 129:280873

TI A **Polyethylene Glycol** Copolymer for Carrying and  
Releasing Multiple Copies of **Cysteine**-Containing  
**Peptides**

AU Huang, Shaei-Yun; Pooyan, Shahriar; Wang, Jihong; Choudhury, Indrani;  
Leibowitz, Michael J.; Stein, Stanley  
CS Center for Advanced Biotechnology and Medicine and Chemistry Department,  
Rutgers University, New Brunswick, NJ, 08903-2101, USA  
SO Bioconjugate Chemistry (1998), 9(5), 612-617  
CODEN: BCCHES; ISSN: 1043-1802  
PB American Chemical Society  
DT Journal  
LA English

AB Two different methods were developed to prep. an adduct of a poly(ethylene glycol)-lysine copolymer with either cysteamine or 1-amino-2-methyl-2-propanethiol. **Cysteine**-contg. **peptides** could then be disulfide-linked to the **thiol** groups on the **polymer** in a facile manner. In the described procedures, a coupling ratio of about 8 **peptides**/mol. of poly(ethylene glycol)-lysine copolymer (Mw = 27 000) was typically attained. The products were stable at neutral pH, but the **peptides** could be released from the **polymer** in a physiol. relevant reducing environment. The release rate was highly dependent on the **linker** used for forming the disulfide bond. To illustrate the potential biomedical usefulness of this **polymer** carrier, a Tat **peptide**-PEG conjugate was shown to inhibit expression of a reporter gene fused to the TAR element of human immunodeficiency virus in a model cell assay.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT